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Iberdrola begins assembly of wind turbines for Portugal's largest wind farm, capable of supplying 128,000 homes

- *The Tâmega Wind Farm will be the largest in Portugal, with 274 MW and 38 wind turbines of 7.2 MW each, the largest and most powerful in the global onshore wind energy market*
- *With an investment of around €350 million and an annual production of 601 GWh, equivalent to the consumption of 128,000 homes.*
- *It will be the first project with a hybrid connection between hydro and wind power and will be integrated into the Tâmega Electroproducer System substation*

With an investment of **€350 million**, Iberdrola has begun assembling the wind turbines **for Portugal's largest wind farm**, which will produce enough energy for **128,000 households,** equivalent to the Spanish city of Valladolid**, and will avoid more than 230,000 tonnes of CO_2 per year**. This pioneering project reinforces the company's leadership in electrification, contributes to Portugal's national energy independence and is a significant contribution to achieving the **objectives of its National Energy and Climate Plan.**

Comprising the Tâmega Norte and Tâmega Sur wind farms, the project is part of the agreement signed with the Norwegian sovereign wealth fund, managed by Norges Bank Investment Management. It will also have a **long-term supply agreement** (PPA - Power Purchase Agreement).

The **hybridisation** of both technologies allows wind and hydroelectric energy to share the same connection infrastructure to the electricity grid, reducing connection infrastructure costs, accelerating the integration of renewables and minimising environmental impact. It also reinforces the role of the Tâmega Eletroprodutor System as an anchor for Portugal's electrification.

Located between Braga and Vila Real, the farm will have **38** Vestas EnVentus V172 wind turbines – developed by Vestas, they are the largest and most powerful on the onshore wind market – with **7.2 MW** , 85-metre blades and a **tower height of 114** metres. In total, **it will produce 601 GWh per year.**

In addition to avoiding the emission of **230,000 tonnes of CO_2** per year, the project will have a significant economic impact, creating **700** direct jobs at its peak of construction and involving Portuguese companies such as **CJR**, **Conduril, Socorpena**, **Painhas** and **Proef**. The components are manufactured in different European countries, reinforcing the **commitment to European industry** and collaborative innovation.

Construction will continue until the third quarter of 2026, and all wind turbine material will be transported before the end of the first quarter.

Environmental measures

Protecting the ecosystem is a priority in the construction of the Tâmega Wind Farm. To this end, Iberdrola guarantees permanent environmental monitoring, with teams of biologists and archaeologists, to apply good practices and reduce the impact of the work.

Continuous monitoring of local biodiversity — including birds, bats and other mammals, flora and habitats — will be carried out to identify additional measures and deepen scientific knowledge of the region.

In addition, compensatory actions will be implemented to improve habitats and, upon completion of the work, the Landscape Recovery Plan will ensure the integration of the project into the territory. This commitment also includes measures to minimise social disruption, ensuring transparency and dialogue with local communities.

How to transport 85-metre blades? A major challenge

- More **than 110 blades** will leave the port of Aveiro. In the final phase of transport to the construction/assembly area, transport will be carried out using an innovative system: a **blade lift, a pioneering technology in Europe** that allows the operation to be carried out safely.
- This equipment allows the blades to be rotated vertically or **horizontally using a hydraulic mechanism to which the blade is attached for transport, reaching inclinations of up to 60º.** This allows it to negotiate sharp bends, slopes and other obstacles, adapting to existing roads.
- This solution reduces environmental impact, avoiding changes to the road layout and ensuring safety throughout transport.

This project reinforces Iberdrola's leadership as the **largest investor in renewable energy in Portugal over the last 10 years**, with more **than €2.2 billion invested** and more **than 1,400 MW already installed**. The company is now the **largest electricity company in Europe and the second largest in the world by market capitalisation**, playing a central role in electrification and the promotion of sustainable solutions.

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About Iberdrola

Iberdrola is a world leader in renewable energy and one of the largest electricity companies in the world. Present in Portugal since 2004, it has been expanding its renewable energy production portfolio and offers green energy, solar energy and electric mobility solutions in the business and residential sectors.

As one of the leading promoters of renewable energy in Portugal, Iberdrola has a diverse ecosystem of wind farms, photovoltaic parks and Portugal's largest renewable energy initiative: the Tâmega Electro-Production System (SET). Comprising three hydroelectric power stations — Alto Tâmega, Gouvães and Daivões — the SET, with an investment of more than €1.6 billion, prevents the emission of 1.2 million tonnes of CO2 per year. It has a total installed capacity of 1,158 MW, 880 of which are pumped storage, facilitating the integration of other renewable energy technologies into the electricity system.

In the solar capacity auction held in 2019, Iberdrola was the largest contender in terms of number of lots, with a total of seven photovoltaic projects, all already in operation, with a total installed capacity of around 186.3 MW.

After avoiding the emission of 26.7 million tonnes of CO2 in 2023, Iberdrola obtained the highest rating ("Green") awarded by Fitch Sustainable in 2024, the highest in green transition.